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AMENDMENTS TO THE CLAIMS

Claims 1-16 (Cancelled)

17. (Original): A Carbon-Carbon work piece comprising machined features having dimensions between 0.1 millimeters and 1 millimeter.

18. (Original): The work piece of claim 17, wherein the work piece is a heat exchanger core; and wherein the machined features are fluid passageways extending through the heat exchanger core.

19. (Original): The work piece of claim 17, wherein the work piece is a bipolar plate for proton exchange membrane fuel cells; and wherein the machined features are flow fields.

Claims 20-23 (Cancelled)